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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,116	09/22/2003	Naohide Maeda	Q77541	5420
23373	7590 07/08/20	4	EXAMINER	
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			NGUYEN, TRAN N	
SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20037			2834	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application N .	Applicant(s)		
Office Aution Commons	10/665,116	MAEDA ET AL.		
Offic Action Summary	Examiner	Art Unit		
	Tran N. Nguyen	2834		
The MAILING DATE of this c mmunication app Peri d for Reply	ears on the c ver sheet with the c	orresp ndence address		
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on				
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.			
3) Since this application is in condition for alloward closed in accordance with the practice under E	· · · · · · · · · · · · · · · · · · ·			
Disposition of Claims				
4) Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) 2,3,5,6,8,9,11,12,14 5) Claim(s) is/are allowed. 6) Claim(s) 1, 4, 7, 10, 13, 16 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	and 15 is/are withdrawn from con	sideration.		
Application Papers				
9) The specification is objected to by the Examine	r.			
10) The drawing(s) filed on is/are: a) acc	epted or b) objected to by the I	Examiner.		
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correct	• • • • • • • • • • • • • • • • • • • •			
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.		
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage		
	·			
Attachment(s)	·			
1) Notice of References Cited (PTO-892)	, 4) Interview Summary			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate ratent Application (PTO-152)		

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Election/Restriction

2. Applicant's election of claims 1, 4, 7, 10, 13 and 16 on 6/9/04 is acknowledged. Since Applicant did not provide any traversal arguments to the restriction requirement, the response is considered as election without traverse; therefore, the election/restriction is made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 4, 10, 13, 16 are rejected under 35 U.S.C. 102(b) as being fully anticipated by Kusase et al (US 5925964).

Kusase discloses (figs 1-5) a rotor (3) of an electric rotating machine comprising:

a rotor coil (8) for generating magnetic flux by applying a current;

and a pole core comprised of a first pole core body (7) and a second pole core body (7) that are arranged so as to cover said rotor coil, wherein

each being provided with claw-shaped claw magnetic poles (15, 16) engaging with each other; wherein a magnet assembly composed of magnets (11) for reducing leakage of magnetic flux and a magnet-holding member (12) for supporting said magnet on said claw magnetic poles are arranged on inside diameter faces of said claw magnetic poles; wherein

said magnet-holding member, with platform (26, 27) extends to the base part (13) of said claw magnetic pole and is fitted to said claw magnetic pole (figs 1-2, 4-5);

an end (26, 27) of said magnet-holding member and said claw magnetic pole, at the tip of the claw pole, are joined together to prevent said magnet from moving in axial direction (figs 2);

said magnet-holding member extends to backside of the pole and is fitted to said claw magnetic pole, and two magnet-holding member are joined together on said backside of the pole (figs 3-5);

a ring (25, figs 3-4) for press fitting said magnet assembly is provided on the inside diameter side of the claw magnetic poles (figs 1-2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kusase et al, as applied in the base claim, in view of York et al (US 6172441).

Kusase discloses the claimed invention, except for the added limitations of a fixing part for preventing said magnet from moving in axial direction is provided on the inside diameter side of said claw magnetic pole.

York, however, teaches a claw pole rotor having this feature (36, figs 1-2 4B) for the purpose of axially holding the magnet in place.

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Thus, it would have been obvious to one skilled in the art at the time the invention was made to modify the claw pole so that a fixing part for preventing said magnet from moving in axial direction is provided on the inside diameter side of said claw magnetic pole, as taught by York. Doing so would provide a securing means to enhance the axially holding abutment for the magnet in place during rotation.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tran N. Nguyen whose telephone number is (571) 272-2030. The examiner can normally be reached on M-F 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571)-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tran N. Nguyen

Primary Examiner

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